

*File's: Burial  
Packaging.*

# The Firestone Tire & Rubber Company

HARVEY S. FIRESTONE · FOUNDER

AKRON 17, OHIO

**CONFIDENTIAL**

June 16, 1954

Central Intelligence Agency  
Washington 25,  
D.C.

Attention of

Gentlemen:

Re: Request for Sample of Self-Sealing Rubber

*this sheet seems quite  
good for sealing but  
is a little thin.  
A thicker sample would  
be worth  
trying.*

In response to your inquiry contained in your letter dated May 10, we are pleased to inform you that Firestone has developed and manufactured a self-sealing rubber compound which is built into aircraft fuel cells of self-sealing construction. A typical fuel cell construction would incorporate two plies of self-sealing rubber of 0.055" thick, together with other plies of fabric and rubber and other material.

We are forwarding to you under separate cover a 1-foot square sample of our self-sealing rubber stock #95047. This sample has an overall thickness of 0.055", tensile strength in the cured state of 10.4 pounds per square inch, and elongation of 710%. The particular sample we are sending to you is not cured. We would be glad to furnish a price estimate on this compound in sheet form after you advise us as to whether you desire to have the stock cured or uncured, and also the quantity of stock required.

Firestone has also developed a self-sealing rubber compound which is designed to seal around the puncture inflicted in a tubeless tire. It is possible with such a tire to run over a number of nails without causing loss of pressure in the tire. In the event you desire information on such compound, please let us know and we will request this information from our Development Department.

Very truly yours,

**CONFIDENTIAL**

Defense Products Division

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